We claim as our invention:

1. A data-centric hazard communication apparatus comprising:

a) an authoring module having a means for decompiling material data, a means for associating the decompiled data with hazard information, and a means for recompiling material data associated with hazard information to provide hazard information about the material, its components, decomposition products of the material, and substances related to the material and

b) and a means for disseminating hazard information about said material , its components, decomposition products of the material, and substances related to the material wherein said means for disseminating hazard information communicates with said authoring module.

2. The apparatus of claim 1 wherein said means for decompiling material data comprises a deblending analyzer.

3. The appratus of claim 2 wherein said means for decompiling material data further comprises a substance processor.

4. The apparatus of claim 1 wherein said means for recompiling material data associated with hazard information is a rules engine for generating words and phrases used in the production of documents and system output.

5. The apparatus of claim 1 wherein said means for disseminating hazard information is a distribution module.

6. The apparatus of claim 1 wherein said means for disseminating hazard information is an on-line module.

7. The apparatus of claim 1 wherein said means for disseminating hazard information is a labeling module.

8. A process for communicating hazard information comprising the steps of

a) entering material information into an authoring module wherein said material information is decompiled, associated with the material information, recompiled to provide hazard information about the material, its components, decomposition products of the material, and substances related to the material and such hazard information to produce hazard communication documents, and

b) distributing said communication documents.

9. A machine for communicating hazard information comprising:

a) a general purpose computer,

b) computer instructions organized into modules including an authoring module and a distribution module,

c) said general purpose computer programmed with said computer instructions.

10. The machine of claim 9 wherein material information is entered into said authoring module, said material information is decompiled, associated with the material information, recompiled to provide hazard information about the material, its components, decomposition products of the material, and substances related to the material and such hazard information to produce hazard communication documents

11. The machine of claim 10 wherein said instructions are computer programming code.

12. The machine of claim 10 wherein said computer programming code comprises software.

13. An article of manufacture comprising the software of claim 12.

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ADD

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